

**List of sequences**

<110> Chernysh Sergey Ivanovich

<120> Antitumoral and antiviral peptides

<160> 12

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<212> PRT

<213> Artificial sequence

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<223> Allostatin 1

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<211> 264

<212> PRT

<213> Tragelaphus strepsiceros

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<223> fragment AA 80-91 of Trast prion protein 1 precursor (PrP1 Trast)

<308> Swissprot P40242

<309> 1995-02-31

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<213> Tragelaphus strepsiceros

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&lt;308&gt; Swissprot P40242

&lt;309&gt; 1995-02-31

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&lt;212&gt; PRT

<213> *Tragelaphus strepsiceros*

&lt;220&gt;

&lt;223&gt; fragment AA 64-75 of Trast prion protein 2 precursor (PrP2 Trast)

&lt;308&gt; Swissprot P40243

&lt;309&gt; 1995-02-31

&lt;400&gt; 4

Gly Gly Gly Trp Gly Gln Pro His Val Gly Gly

&lt;210&gt; 5

&lt;211&gt; 256

&lt;212&gt; PRT

<213> *Tragelaphus strepsiceros*

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&lt;223&gt; fragment AA 72-83 of Trast prion protein 2 precursor (PrP2 Trast)

&lt;308&gt; Swissprot P40243

&lt;309&gt; 1995-02-31

&lt;400&gt; 5

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<211> 256

<212> PRT

<213> *Tragelaphus strepsiceros*

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<309> 1995-02-31

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<212> PRT

<213> *Bos taurus*

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<223> fragment AA 96 - 108 of Bovine prion protein 1 precursor (Prio bovin)

<308> Swissprot P10279

<309> 1989-03-10

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<210> 8

<211> 264

<212> PRT

<213> *Bos taurus*

<220>

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<308> Swissprot P10279

<309> 1989-03-10

<400> 8

Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly

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<213> Homo sapiens

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<308> Swissprot P04156

<309> 1986-11-03

<400> 9

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<212> PRT

<213> Homo sapiens

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<308> Swissprot P04156

<309> 1986-11-03

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<212> PRT

<213> Homo sapiens

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<223> fragment AA 85-97 of human prion protein precursor (PrP Human)

<308> Swissprot P04156

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**28**

**PCT/RU2004/000541**

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<310> RU 2172322 C1

<311> 1999-12-27

<312> 2001-08-20

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**Amended sheet (Article 26)**

**Abstract**

The invention relates to novel compositions of general formula (I) consisting of  $X_1$  Trp Gly Gln  $X_2$  or the pharmaceutically acceptable salts, ethers, or amides thereof, wherein  $X_1$  is absent or contains at least one type of aminoacid,  $X_2$  is absent or contains at least one type of aminoacid. The inventive compositions produce an antitumoral and antiviral effect by suppressing a tumoral cells proliferation, potentiating the action of other antitumoral preparations and by stimulating antitumoral and antiviral immunologic mechanisms.